

(Compounds are not displayed due to large volume which SCORE can not accept.)

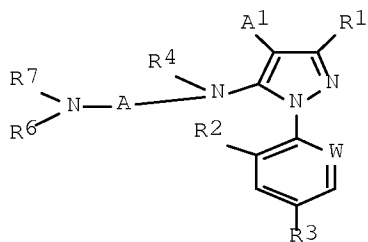
=> d ibib abs 15 1-5

L5 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:705897 HCAPLUS Full-text
 DOCUMENT NUMBER: 147:118222
 TITLE: Preparation of 5-aminoalkylpyrazole derivatives as
 pesticidal agents
 INVENTOR(S): Schnatterer, Stefan; Chou, David
 Teh-Wei; Knauf, Werner; Jans, Daniela;
 Seeger, Karl
 PATENT ASSIGNEE(S): Germany
 SOURCE: U.S. Pat. Appl. Publ., 31pp., Contt.-in-part of Appl.
 No. PCT/EP05/002277
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070149575	A1	20070628	US 2006-525741	20060922
WO 2005090312	A1	20050929	WO 2005-EP2277	20050304

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
 SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: EP 2004-7023 A 20040324
 WO 2005-EP2277 A2 20050304
 OTHER SOURCE(S): MARPAT 147:118222
 GI

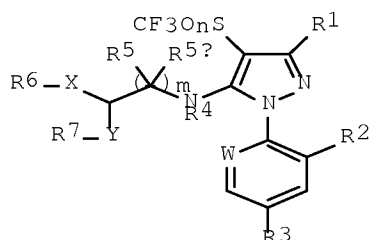


AB The title compds. I [A1 = R5S(O)n; R1 = CN, Me, CF3, etc.; W = N, C-R8; R2, R8 = halo, Me, NR9R10; R3 = haloalkyl, haloalkoxy, SF5; R4 = H, alkenyl, alkynyl, etc.; R5 = alkyl, haloalkyl, alkenyl, etc.; A = (un)substituted C1 - C6

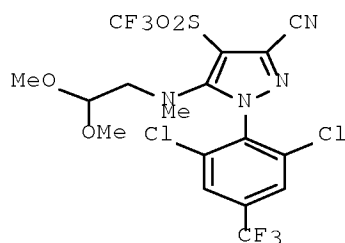
alkylene, (un)substituted c2 - C6 alkenylene, etc.; R6, R7 = H, (un)substituted alkyl, (un)substituted alkenyl, etc.; or NR6R7 = ring (further details on this ring are given); when A is C1 - C6 alkylene, R7 together with the attached N atom and A moiety form a 4- to 7-membered saturated (un)substituted ring; R9, R10 = H, (un)substituted alkyl, (un)substituted alkenyl, etc.; n = 0 or 1 or 2] are prepared Thus, 5-[N-methyl-N-(phthalimidomethyl)amino]-1-(2,6-dichloro-4- trifluoromethylphenyl)-3-cyano-4-trifluoromethylsulfinylpyrazole was prepared from N-bromomethylphthalimide and 1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-5-methylamino-4-trifluoromethylsulfinylpyrazole. Compds. of this invention at 5 ppm or less gave at least 90% control of Ctenocephalides felix.

L5 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:15050 HCAPLUS Full-text
 DOCUMENT NUMBER: 144:88285
 TITLE: Preparation of n-phenylpyrazole derivatives as pesticides
 INVENTOR(S): Scribner, Andrew; Chou, David Teh-Wei; Knauf, Werner; Maier, Michael; Lochhaas, Friederike; Schnatterer, Stefan; Seeger, Karl
 PATENT ASSIGNEE(S): Bayer Cropscience S.A., Fr.
 SOURCE: PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006000312	A1	20060105	WO 2005-EP6323	20050614
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
CA 2572010	A1	20060105	CA 2005-2572010	20050614
EP 1761500	A1	20070314	EP 2005-756166	20050614
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
BR 2005011197	A	20071204	BR 2005-11197	20050614
JP 2008504243	T	20080214	JP 2007-517137	20050614
US 20070276028	A1	20071129	US 2006-615656	20061222
MX 200700159	A	20071010	MX 2007-159	20070108
PRIORITY APPLN. INFO.:			EP 2004-15065	A 20040626
			WO 2005-EP6323	W 20050614
OTHER SOURCE(S):			CASREACT 144:88285; MARPAT 144:88285	
GI				



I



II

AB Title compds. represented by the formula I [wherein R1 = CN, halo, alkyl, etc.; R2 = halo; W = N or C-halo; R3 = CF3, CF3O or SF5; R4 = H, CO2alkyl, sulfonylalkyl, etc.; R5, R5a = independently H, alkyl, (un)substituted (methyl)phenyl; R6, R7 = (halo)alkyl or (un)substituted (methyl)phenyl; X, Y = O or SOp; n, p = 0-2; m = 1-3; and pesticidally acceptable salts thereof] were prepared as pesticides. For example, II was prepared and showed at least 90% control of *Ctenocephalides felis* at a test concentration of 5 ppm or less. Thus, I and their pesticidal compns. are useful for the control of pests (including arthropods and helminths).

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:1042224 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 143:347162

TITLE: Preparation of 1-phenyl and 1-pyridylpyrazoles as pesticides

INVENTOR(S): Schnatterer, Stefan; Chou, David
Teh-Wei; Knauf, Werner; Jans, Daniela;
Seeger, Karl

PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.

SOURCE: PCT Int. Appl., 78 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

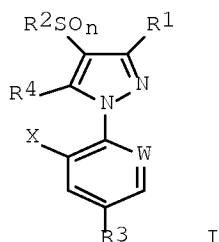
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090314	A1	20050929	WO 2005-EP1981	20050225
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2005223305	A1	20050929	AU 2005-223305	20050225
EP 1727805	A1	20061206	EP 2005-715530	20050225
EP 1727805	B1	20080702		
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			

10/570,042

CN 1930130	A	20070314	CN 2005-80008303	20050225
BR 2005008868	A	20070904	BR 2005-8868	20050225
JP 2007529439	T	20071025	JP 2007-503221	20050225
AT 399767	T	20080715	AT 2005-715530	20050225
IN 2006DN04932	A	20070817	IN 2006-DN4932	20060828
MX 2006PA10447	A	20061207	MX 2006-PA10447	20060913
KR 2007007800	A	20070116	KR 2006-718889	20060914
US 20080064698	A1	20080313	US 2007-592519	20070112
PRIORITY APPLN. INFO.:			EP 2004-6050	A 20040315
			WO 2005-EP1981	W 20050225
OTHER SOURCE(S):		CASREACT 143:347162; MARPAT 143:347162		
GI				



AB The title compds. I [R1 = CN, CSNH2, alkyl, etc.; W = N, CY; R2 = alkyl, halomethyl, alkenyl, etc.; R3 = haloalkyl, haloalkoxy, SF5; R4 = OH, H, halo, etc.; X = OH, alkoxy, haloalkoxy, etc.; Y = OH, haloalkoxy, alkylthio, etc.; n = 0-2], useful for the control of pests (including arthropods and helminths), were prepared Thus, reacting 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-4- trifluoromethylthiopyrazole with methylamine in dioxane afforded 5-amino-1-(2-chloro-6-methylamino-4-trifluoromethylphenyl)-3-cyano-4- trifluoromethylthiopyrazole (II). The compds. I were tested in various biol. tests. For example, II showed at least 90% control of Ctenocephalides felis (cat flea) at 5 ppm or less.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:1042222 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:347160
 TITLE: Preparation of 5-aminoalkylpyrazoles as pesticides
 INVENTOR(S): Schnatterer, Stefan; Chou, David
 Teh-Wei; Knauf, Werner; Jans, Daniela;
 Seeger, Karl
 PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.
 SOURCE: PCT Int. Appl., 88 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2005090312	A1	20050929	WO 2005-EP2277	20050304
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

10/570,042

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG

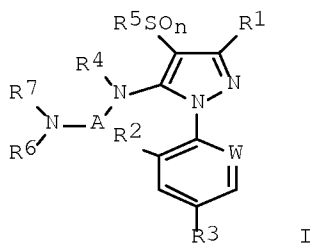
CA 2560642 A1 20050929 CA 2005-2560642 20050304
EP 1730115 A1 20061213 EP 2005-707703 20050304

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,
HR, LV, MK, YU

US 20070149575 A1 20070628 US 2006-525741 20060922
MX 2006PA10917 A 20070725 MX 2006-PA10917 20060922

PRIORITY APPLN. INFO.: EP 2004-7023 A 20040324
WO 2005-EP2277 W 20050304

OTHER SOURCE(S): CASREACT 143:347160; MARPAT 143:347160
GI



AB The title compds. I [R1 = CN, Me, CF3, etc.; W = N, CR8; R2, R8 = halo, Me, NR9R10; R3 = haloalkyl, haloalkoxy, SF5; R4 = H, alkenyl, alkynyl, etc.; R5 = alkyl, haloalkyl, alkenyl, etc.; A = (un)substituted alkylene, alkenylene, etc.; R6, R7 = H, alkyl, alkenyl, etc.; R9, R10 = H, alkyl, alkenyl, etc.; n = 0-2], useful for the control of pests (including arthropods and helminths), were prepared. Thus, reacting 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-trifluoromethylsulfinylpyrazole with (2-chloroethyl)diethylammonium chloride in the presence of K3PO4 in MeCN afforded 1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-5-(diethylaminoethyl)amino-4-trifluoromethylsulfinylpyrazole (II). The compds. I were tested in various biol. tests. For example, II showed at least 90% control of Ctenocephalides felis (cat flea) at 5 ppm or less.

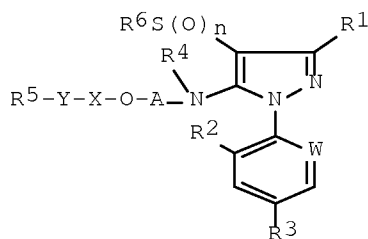
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:238961 HCAPLUS Full-text
DOCUMENT NUMBER: 142:316834
TITLE: Preparation of pesticidal
5-substituted-oxyalkylamino-1-arylpyrazole derivatives
INVENTOR(S): Chou, David Teh-Wei; Schnatterer,
Stefan; Knauf, Werner; Seeger,
Karl

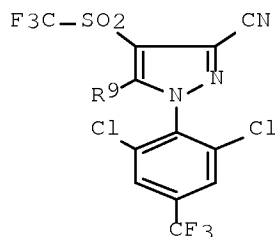
10/570,042

PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.
 SOURCE: PCT Int. Appl., 58 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023776	A1	20050317	WO 2004-EP9378	20040821
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004270342	A1	20050317	AU 2004-270342	20040821
CA 2536642	A1	20050317	CA 2004-2536642	20040821
EP 1663986	A1	20060607	EP 2004-764360	20040821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004013333	A	20061010	BR 2004-13333	20040821
CN 1845902	A	20061011	CN 2004-80025546	20040821
JP 2007504185	T	20070301	JP 2006-525067	20040821
MX 2006PA02381	A	20060620	MX 2006-PA2381	20060301
US 20070066596	A1	20070322	US 2006-570042	20060929
PRIORITY APPLN. INFO.:			EP 2003-19618	A 20030904
			WO 2004-EP9378	W 20040821
OTHER SOURCE(S):			CASREACT 142:316834; MARPAT 142:316834	
GI				



I



II

AB Title compds. I [R1 = CN, CSNH2, C(:NZ)S(O)rQ; Q = alkyl, (un)substituted Ph, PhCH2; Z = H, alkyl, haloalkyl, alkenyl, alkynyl, (un)substituted Ph, PhCH2, acyl, alkoxycarbonyl, S(O)pR8; R8 = alkyl, haloalkyl; R2 = H, halogen, Me; R3 = haloalkyl, haloalkoxy, SF5; R4 = H, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkylalkyl, (un)substituted alkyl, CO2H, SO2R8; R5 = alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkylalkyl, (un)substituted alkyl, Ph, PhCH2, heterocyclyl, heterocyclylmethyl; R6 = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl; W = N, CR7; R7 = halogen, Me; X = CO, CS, SO2; Y = O, (un)substituted NH, bond; n = 0-2]were

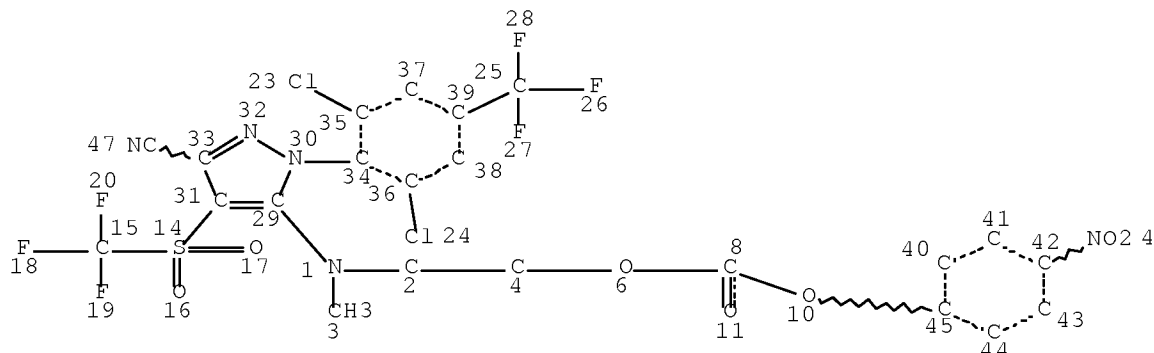
10/570,042

prepared for use as pesticides, including arthropods and helminths (no data).
Thus, the pyrazole II [R9 = NH₂] was converted to II [R9 = Br] which was
treated with MeNHCH₂CH₂OH and tosylated to give II [R9 = NMeCH₂CH₂OTs].

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

RESULTS FROM SEARCHES IN REGISTRY, CAPLUS, USPATFULL, AND BEILSTEIN

```
=> d que stat l15
L9          STR
```



Page 1-A

6

Page 1-B

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 40

STEREO ATTRIBUTES: NONE

L11 1 SEA FILE=REGISTRY SSS FUL L9

L12 1 SEA FILE=HCAPLUS ABB=ON L11

L13 1 SEA FILE=USPATFULL ABB=ON L11

L15 2 DUP REMOV L12 L13 (0 DUPLICATES REMOVED)

```
=> d ibib abs hitstr l15 1-2
```

L15 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2007:76243 USPATFULL Full-text

TITLE: Pesticidal 5-substituted-oxalkylamino-1-arylpyrazole derivatives

INVENTOR(S): Chou, David Teh-Wei, Bad Soden, GERMANY, FEDERAL
 REPUBLIC OF
 Schnatterer, Stefan, Hattersheim, GERMANY, FEDERAL
 REPUBLIC OF
 Knauf, Werner, Bad Bergzabern, GERMANY, FEDERAL
 REPUBLIC OF
 Seeger, Karl, Hofheim, Ts., GERMANY, FEDERAL REPUBLIC
 OF

PATENT ASSIGNEE(S): BAYER CROPSCIENCE S.A., LYON, FRANCE (non-U.S.
 corporation)

NUMBER	KIND	DATE
--------	------	------

PATENT INFORMATION:	US 20070066596	A1	20070322	
APPLICATION INFO.:	US 2004-570042	A1	20040821	(10)
	WO 2004-EP9378		20040821	
			20060929	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-19618	20030904
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BUCHANAN, INGERSOLL & ROONEY PC, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404, US	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1774	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to 5-substituted-oxyalkylaminopyrazole derivatives of formula (I) or salts thereof wherein the various symbols are as defined in the description, to processes for their preparation, to compositions thereof, and to their use for the control of pests (including arthropods and helminths). ##STR1##

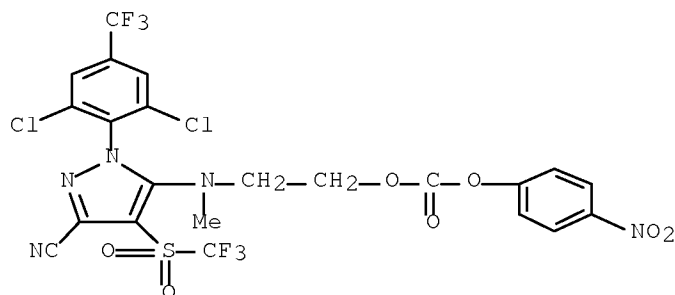
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 848095-24-9F

(preparation of pesticidal 5-substituted-oxyalkylamino-1-arylpyrazoles)

RN 848095-24-9 USPATFULL

CN Carbonic acid, 2-[[3-cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfonyl]-1H-pyrazol-5-yl]methylamino]ethyl 4-nitrophenyl ester (CA INDEX NAME)



L15 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:238961 HCAPLUS Full-text

DOCUMENT NUMBER: 142:316834

TITLE: Preparation of pesticidal 5-substituted-oxyalkylamino-1-arylpyrazole derivatives

INVENTOR(S): Chou, David Teh-Wei; Schnatterer, Stefan; Knauf, Werner; Seeger, Karl

PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.

SOURCE: PCT Int. Appl., 58 pp.

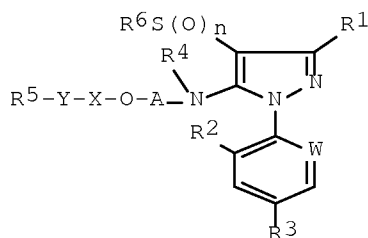
CODEN: PIXXD2

DOCUMENT TYPE: Patent

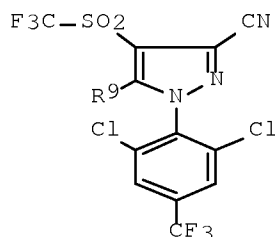
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023776	A1	20050317	WO 2004-EP9378	20040821
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004270342	A1	20050317	AU 2004-270342	20040821
CA 2536642	A1	20050317	CA 2004-2536642	20040821
EP 1663986	A1	20060607	EP 2004-764360	20040821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004013333	A	20061010	BR 2004-13333	20040821
CN 1845902	A	20061011	CN 2004-80025546	20040821
JP 2007504185	T	20070301	JP 2006-525067	20040821
MX 2006PA02381	A	20060620	MX 2006-PA2381	20060301
US 20070066596	A1	20070322	US 2006-570042	20060929
PRIORITY APPLN. INFO.:			EP 2003-19618	A 20030904
			WO 2004-EP9378	W 20040821
OTHER SOURCE(S):			CASREACT 142:316834; MARPAT 142:316834	
GI				



I



II

AB Title compds. I [R1 = CN, CSNH2, C(:NZ)S(O)rQ; Q = alkyl, (un)substituted Ph, PhCH2; Z = H, alkyl, haloalkyl, alkenyl, alkynyl, (un)substituted Ph, PhCH2, acyl, alkoxycarbonyl, S(O)pR8; R8 = alkyl, haloalkyl; R2 = H, halogen, Me; R3 = haloalkyl, haloalkoxy, SF5; R4 = H, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkylalkyl, (un)substituted alkyl, CO2H, SO2R8; R5 = alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkylalkyl, (un)substituted alkyl, Ph, PhCH2, heterocyclyl, heterocyclylmethyl; R6 = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl; W = N, CR7; R7 = halogen, Me; X = CO, CS, SO2; Y = O, (un)substituted NH, bond; n = 0-2] were prepared for use as pesticides, including arthropods and helminths (no data). Thus, the pyrazole II [R9 = NH2] was converted to II [R9 = Br] which was treated with MeNHCH2CH2OH and tosylated to give II [R9 = NMeCH2CH2OTs].

IT 843095-24-9F

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological

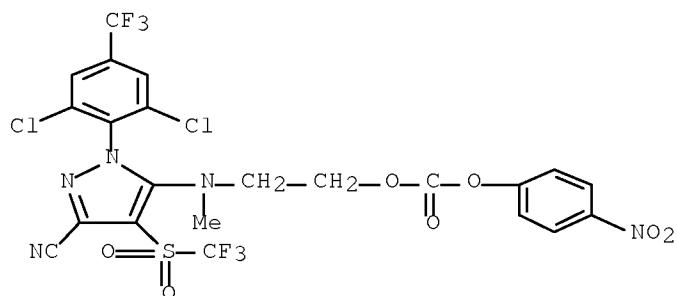
10/570,042

study); PREP (Preparation); USES (Uses)

(preparation of pesticidal 5-substituted-oxyalkylamino-1-arylpyrazoles)

RN 848095-24-9 HCAPLUS

CN Carbonic acid, 2-[[3-cyano-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-
[(trifluoromethyl)sulfonyl]-1H-pyrazol-5-yl]methylamino]ethyl
4-nitrophenyl ester (CA INDEX NAME)



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/570,042

SEARCH HISTORY

=> d his ful

(FILE 'HOME' ENTERED AT 11:04:31 ON 24 OCT 2008)

FILE 'HCAPLUS' ENTERED AT 11:04:43 ON 24 OCT 2008

E CHOU DAVID TEH WEI/AU
L1 27 SEA ABB=ON ("CHOU DAVID T W"/AU OR "CHOU DAVID TECH WEI"/AU
OR "CHOU DAVID TEH WEI"/AU OR "CHOU DAVID TEHWEI"/AU)
E SCHNATTERER STEFAN/AU
L2 38 SEA ABB=ON "SCHNATTERER STEFAN"/AU
E KNAUF WERNER/AU
L3 119 SEA ABB=ON "KNAUF WERNER"/AU
E SEEGER KARL/AU
L4 81 SEA ABB=ON "SEEGER KARL"/AU
L5 5 SEA ABB=ON L1 AND L2 AND L3 AND L4
SELECT RN L5 1-5

FILE 'REGISTRY' ENTERED AT 11:12:29 ON 24 OCT 2008

L6 799 SEA ABB=ON (1045655-84-2/BI OR 1045655-85-3/BI OR 1045655-86-4
/BI OR 1045655-87-5/BI OR 1045655-89-7/BI OR 1045655-90-0/BI
OR 1045655-91-1/BI OR 1045655-92-2/BI OR 1045655-94-4/BI OR
1045655-95-5/BI OR 1045655-97-7/BI OR 1045655-98-8/BI OR
1045656-00-5/BI OR 1045656-01-6/BI OR 1045656-02-7/BI OR
1045656-05-0/BI OR 1045656-07-2/BI OR 1045656-08-3/BI OR
1045656-11-8/BI OR 1045656-13-0/BI OR 1045656-15-2/BI OR
1045656-16-3/BI OR 1045656-19-6/BI OR 1045656-21-0/BI OR
1045656-23-2/BI OR 1045656-24-3/BI OR 1045656-27-6/BI OR
1045656-29-8/BI OR 1045656-31-2/BI OR 1045656-32-3/BI OR
1045656-35-6/BI OR 1045656-37-8/BI OR 1045656-39-0/BI OR
1045656-41-4/BI OR 1045656-42-5/BI OR 1045656-45-8/BI OR
1045656-47-0/BI OR 1045656-49-2/BI OR 1045656-50-5/BI OR
1045656-53-8/BI OR 1045656-55-0/BI OR 1045656-57-2/BI OR
1045656-58-3/BI OR 1045656-61-8/BI OR 1045656-63-0/BI OR
1045656-64-1/BI OR 1045656-66-3/BI OR 1045656-69-6/BI OR
1045656-71-0/BI OR 1045656-72-1/BI OR 1045656-74-3/BI OR
1045656-77-6/BI OR 1045656-79-8/BI OR 1045656-80-1/BI OR
1045656-83-4/BI OR 1045656-85-6/BI OR 1045656-86-7/BI OR
1045656-89-0/BI OR 1045656-91-4/BI OR 1045656-93-6/BI OR
1045656-94-7/BI OR 1045656-97-0/BI OR 1045656-99-2/BI OR
1045657-00-8/BI OR 1045657-02-0/BI OR 1045657-05-3/BI OR
1045657-07-5/BI OR 1045657-08-6/BI OR 1045657-10-0/BI OR
1045657-13-3/BI OR 1045657-15-5/BI OR 1045657-17-7/BI OR
1045657-18-8/BI OR 1045657-20-2/BI OR 1045657-22-4/BI OR
1045657-25-7/BI OR 1045657-26-8/BI OR 1045657-28-0/BI OR
1045657-30-4/BI OR 1045657-33-7/BI OR 1045657-34-8/BI OR
1045657-36-0/BI OR 1045657-38-2/BI OR 1045657-41-7/BI OR
1045657-42-8/BI OR 1045657-44-0/BI OR 1045657-45-1/BI OR
1045657-48-4/BI OR 1045657-49-5/BI OR 1045657-52-0/BI OR
1045657-53-1/BI OR 1045657-56-4/BI OR 1045657-57-5/BI OR
1045657-60-0/BI OR 1045657-61-1/BI OR 1045657-64-4/BI OR
1045657-65-5/BI OR 1045657-68-8/BI OR 1045657-69-9/BI OR
1045657-71-3/BI OR 1045657-73-5/BI OR 1045657-76-8/BI OR
1045657-77-9/BI OR 1045657-79-1/BI OR 1045657-81-5/BI OR
1045657-83-7/BI OR 1045657-8

FILE 'HCAPLUS' ENTERED AT 11:13:54 ON 24 OCT 2008

L7 4 SEA ABB=ON L5 AND L6

FILE 'REGISTRY' ENTERED AT 11:24:15 ON 24 OCT 2008
L8 0 SEA ABB=ON L6 AND NO2=1
L9 STRUCTURE 865813-54-3
L10 0 SEA SSS SAM L9
L11 1 SEA SSS FUL L9

FILE 'HCAPLUS' ENTERED AT 11:31:32 ON 24 OCT 2008
L12 1 SEA ABB=ON L11

FILE 'USPATFULL' ENTERED AT 11:31:39 ON 24 OCT 2008
L13 1 SEA ABB=ON L11

FILE 'BEILSTEIN' ENTERED AT 11:31:50 ON 24 OCT 2008
L14 0 SEA ABB=ON L11

FILE 'HCAPLUS, USPATFULL' ENTERED AT 11:32:03 ON 24 OCT 2008
L15 2 DUP REMOV L12 L13 (0 DUPLICATES REMOVED)
L16 0 SEA ABB=ON L15 AND (PRD<20030904 OR PD<20030904)

FILE HOME

FILE HCAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 24 Oct 2008 VOL 149 ISS 18
FILE LAST UPDATED: 23 Oct 2008 (20081023/ED)

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 OCT 2008 HIGHEST RN 1064721-02-3
DICTIONARY FILE UPDATES: 22 OCT 2008 HIGHEST RN 1064721-02-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and

10/570,042

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 23 Oct 2008 (20081023/PD)

FILE LAST UPDATED: 23 Oct 2008 (20081023/ED)

HIGHEST GRANTED PATENT NUMBER: US7441277

HIGHEST APPLICATION PUBLICATION NUMBER: US20080263736

CA INDEXING IS CURRENT THROUGH 23 Oct 2008 (20081023/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 23 Oct 2008 (20081023/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2008

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2008

USPATFULL now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

FILE BEILSTEIN

FILE LAST UPDATED ON April 1, 2008

FILE COVERS 1771 TO 2008.

FILE CONTAINS 10,322,808 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

```
*****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.                               *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE                 *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE                         *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                                       *
* FOR PRICE INFORMATION SEE HELP COST                                               *
*****
```

>>> Price change as of January 1st, 2008: Connect Time and Structure Search fees re-introduced. See NEWS and HELP COST <<<